3. Disassembly and Reassembly

3-1 How to Load and Unload (Setting the Mechanical Modes)

1. Set the power-supply output to approximately 5V, and connect it to the Motor Loading.
2. Choose the polarity depending on whether loading or unloading.(See Table 3-1)
3. Supply the voltage to the Motor Loading.

Table 3-1

Ⓐ	Ⓑ	Movement of chassis
+	_	Loading
-	+	Unloading

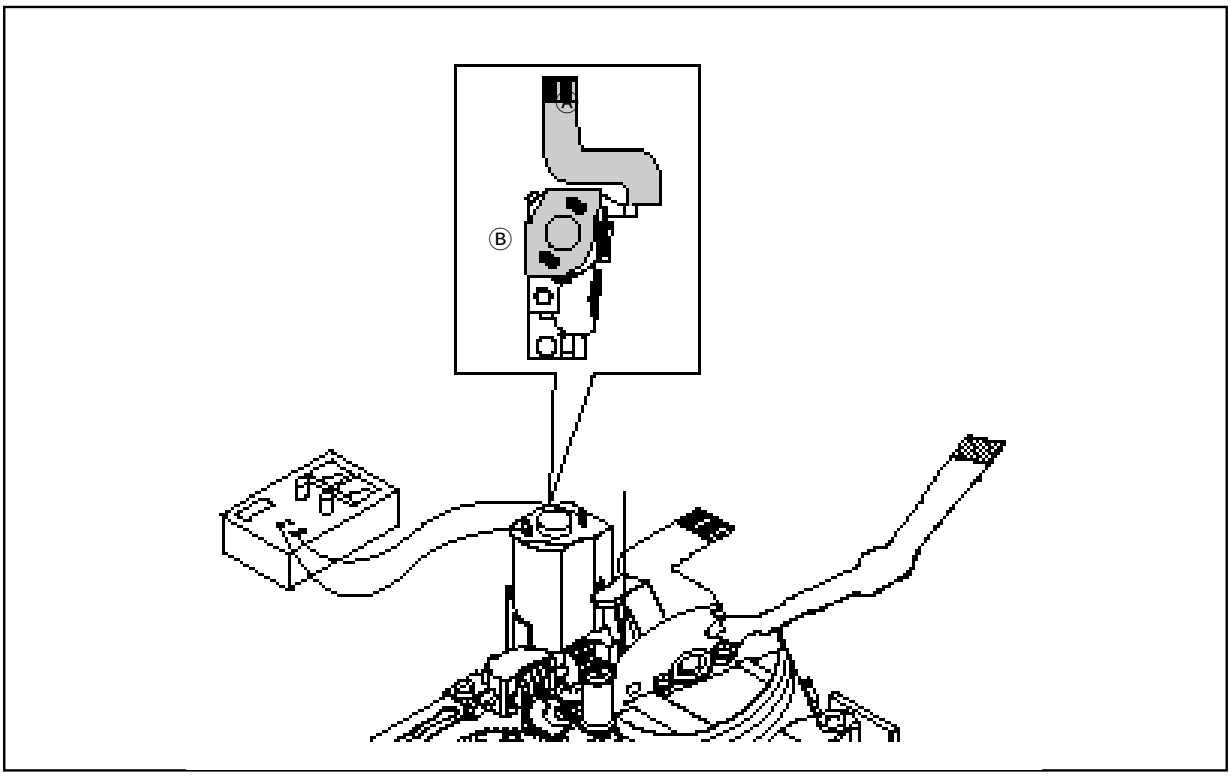

Fig 3-1 Loading and UnLoading

3-2 Housing

3-2-1 Disassembly

NOTE : Do disassembled and reassembly in the unloading

1. Push the Lever(see arrow, Detail A) turn the Lever Lock❶in the direction of arrow B, and open the Housing.
2. Remove the screw ❷ ,and separate the Hook L and Hook R and then lift it.
3. Separate the Lever L ❹ and Lever R from the Stud-housing L ❺ and stud-housing R ❻, and then lift the Housing Ass'y.

3-2-2 Reassembly

1. Mount the Cam L and Cam R of Lever Housing ❹ to stud Housing L ❺ and stud Housing R❻.
2. Put the Hook L ❸ and Hook R into the Sub chassis ❽, pushing them in the direction of A, and then reassembled Housing Ass'y ❼ into the Sub chassis ❽.
3. Secure the screw ❷

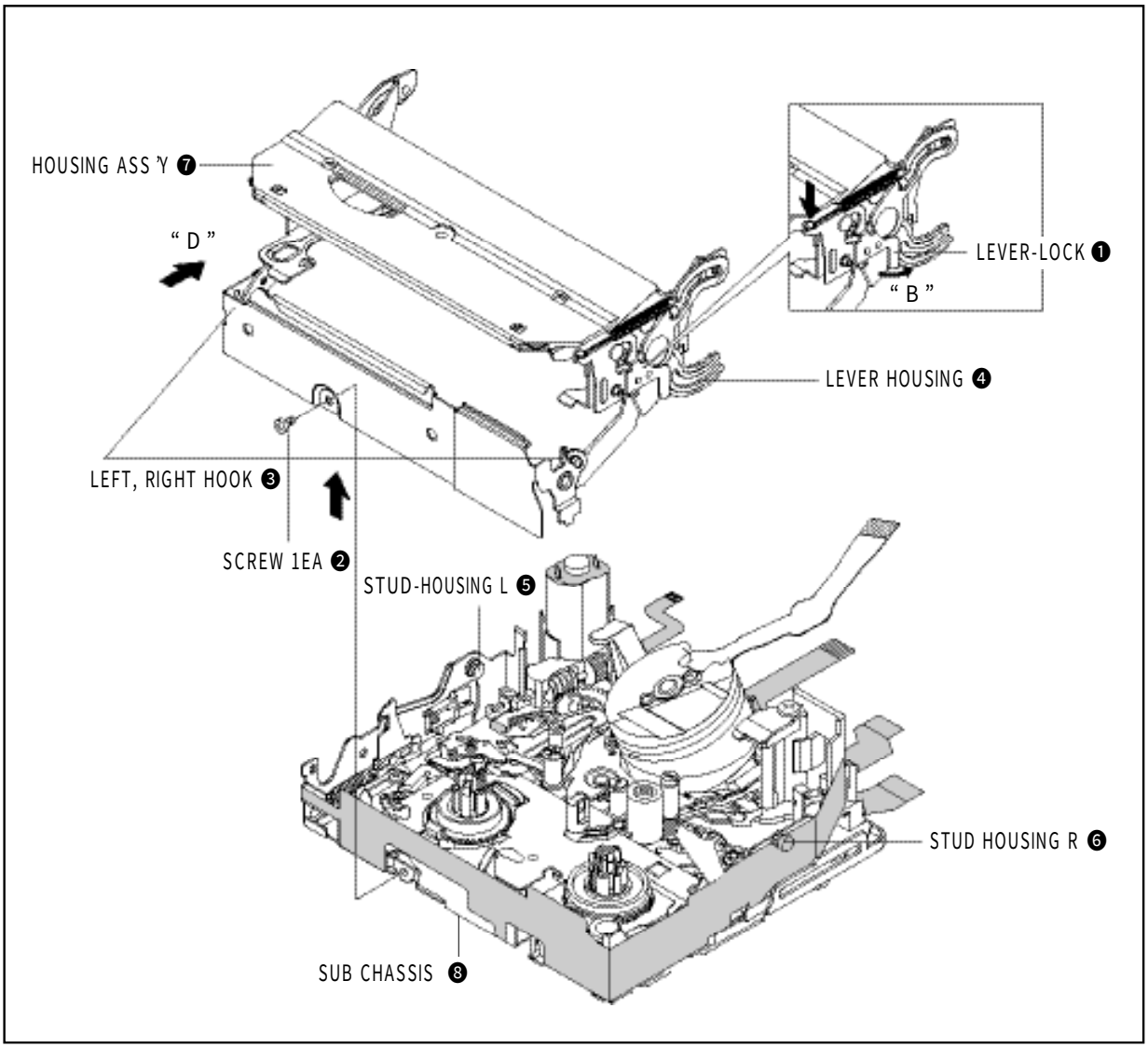

FIG 3-2 HOUSING

3-3 Cover Reel Ass'y, Idler Ass'y

3-3-1 Disassembly

1. Remove the screw ❶, then lift the Cover Reel Ass'y ❷ in the direction of arrow.
2. Remove the Washer Slit ❸, then lift the Idler Ass'y ❹.

3-3-2 Reassembly

1. Fit the Idler Ass'y ❹ into the Pin, then install the Washer Slit ❸.
2. Mount the Cover Reel Ass'y ❷ to the Sub chassis in the reverse direction of arrow.
3. Secure the screw❶.

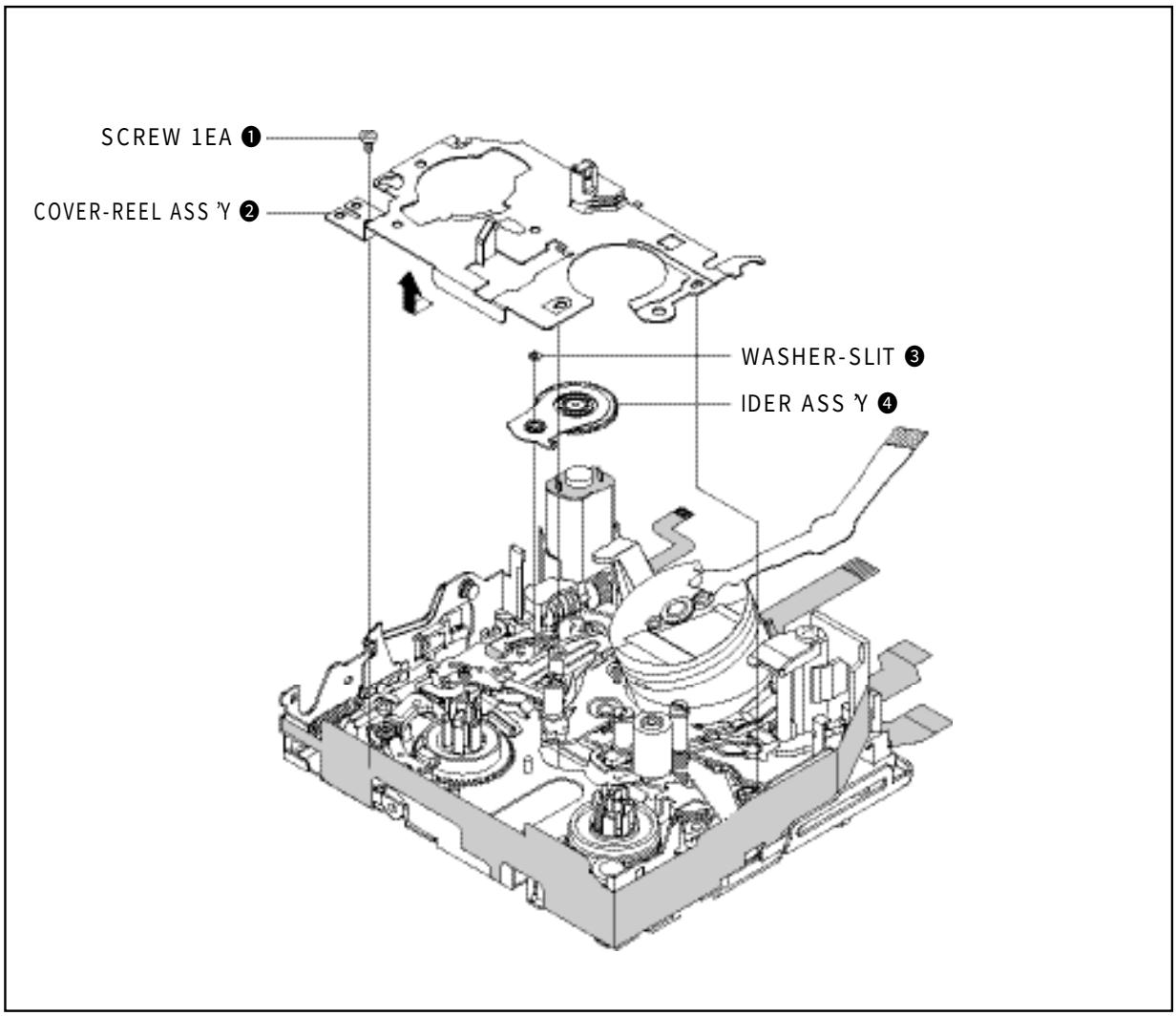

Fig 3-3 Idler

3-4 Sub Chassis

3-4-1 Disassembly

Note 1 : when disassembling, take care not to damage any parts. Do not stain the rollers and poles with oil or grease.
Note 2 : Always remove the Sub-Chassis Ass'y When the Deck Ass'y is in unload mode.

1. Released Sub-FPC
2. Remove 3 screws ❶
3. Lift the Sub-chassis Ass'y ❺ from Main-chassis Ass'y ❻.

3-4-2 Reassembly

1. Push the arm Tension Ass'y ❹ in the direction of arrow A, insert Pin Lever Cam ❼ of main-chassis Ass'y ❸ into the Sub-chassis cam ❺ of Sub-chassis Ass'y ❷
2. Fit the screw locking holes (❸ points) of Sub-chassis Ass'y ❷ to the Guide Pin ❽ of Main-chassis Ass'y
3. Secure 3 Screws

Note 1 : After assembling ❷ with ❸ make sure that Sub-chassis Ass'y ❷ loads and unloads correctly by applying 5V to the Motor Loading.
Note 2 : when reassembling, confirm that pin of Arm-review insert into the Guide-Cam

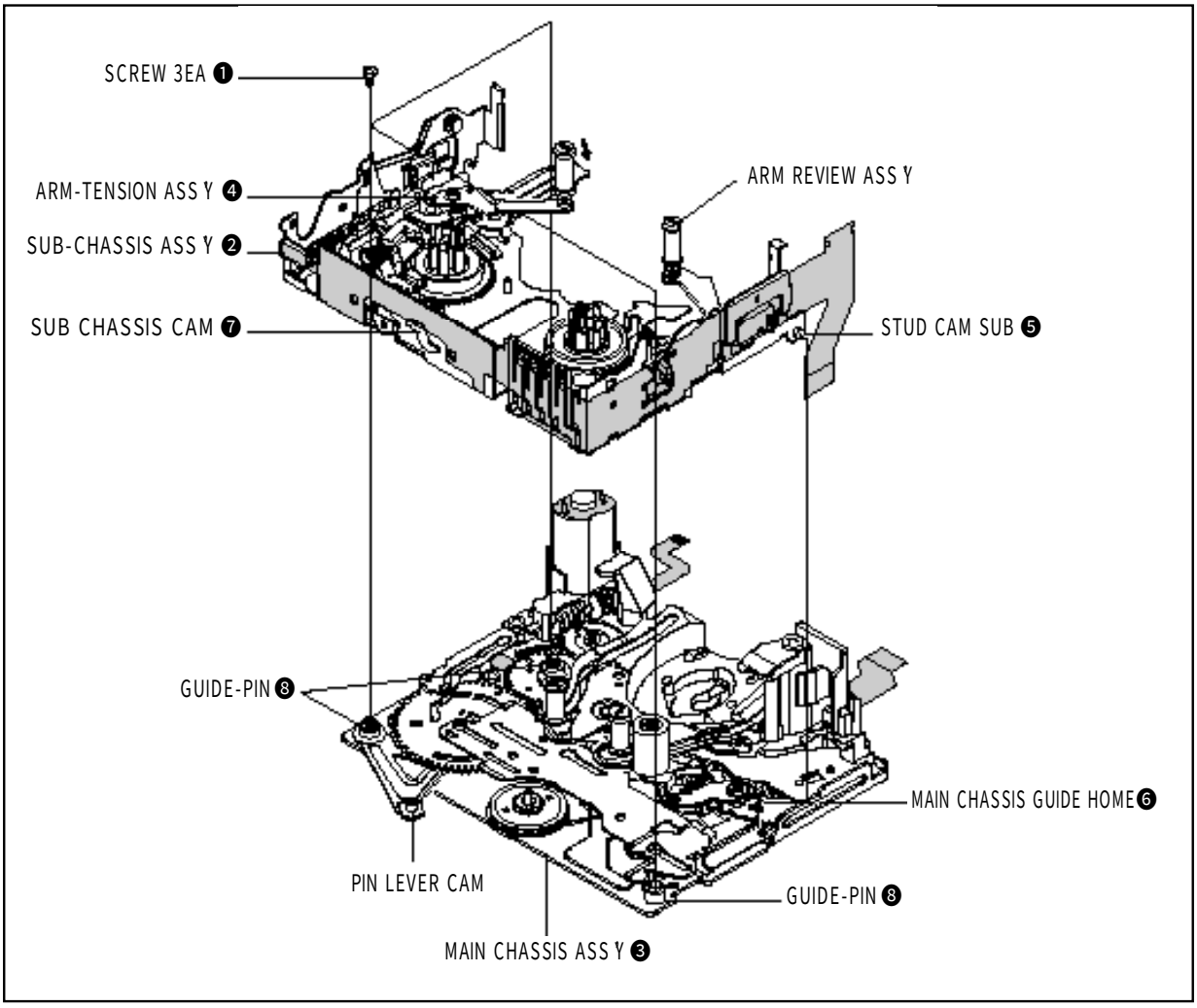

Fig 3-4 Sub Deck

3-5 Arm-Tension and Arm-Review

Note : When disassembling, take care not to deform the part. Do not stain the roller and post

3-5-1 Disassembly

1. Separate the spring-Tension ❷ from Hook ❽ of sub-chassis.
2. Remove the Washer-slit閂, and then lift up the Arm-Tension ❶.
3. Lift up the Brake-Tension ❸ and the Tension Release ❹.
4. Lift up the Arm-Review❺.

3-5-2 Reassembly

1. Insert the Arm Review ❺ into the pin1 ❽.
2. After Tension Release ❹ assembled to the pin 3 ❿, Brake-Tension ❸ insert in the pin 3❿.
3. When Arm-Tension ❶ insert in the pin 2 ❾, pin of Arm-Tension ❻ assembled into cam part ❺ of Brake Tension.
4. Assambled the Washer-slit 閂.
5. Hang the spring Tension ❷ to the hook of Brake Tension ❸ and hook of sub-chassis ❽.

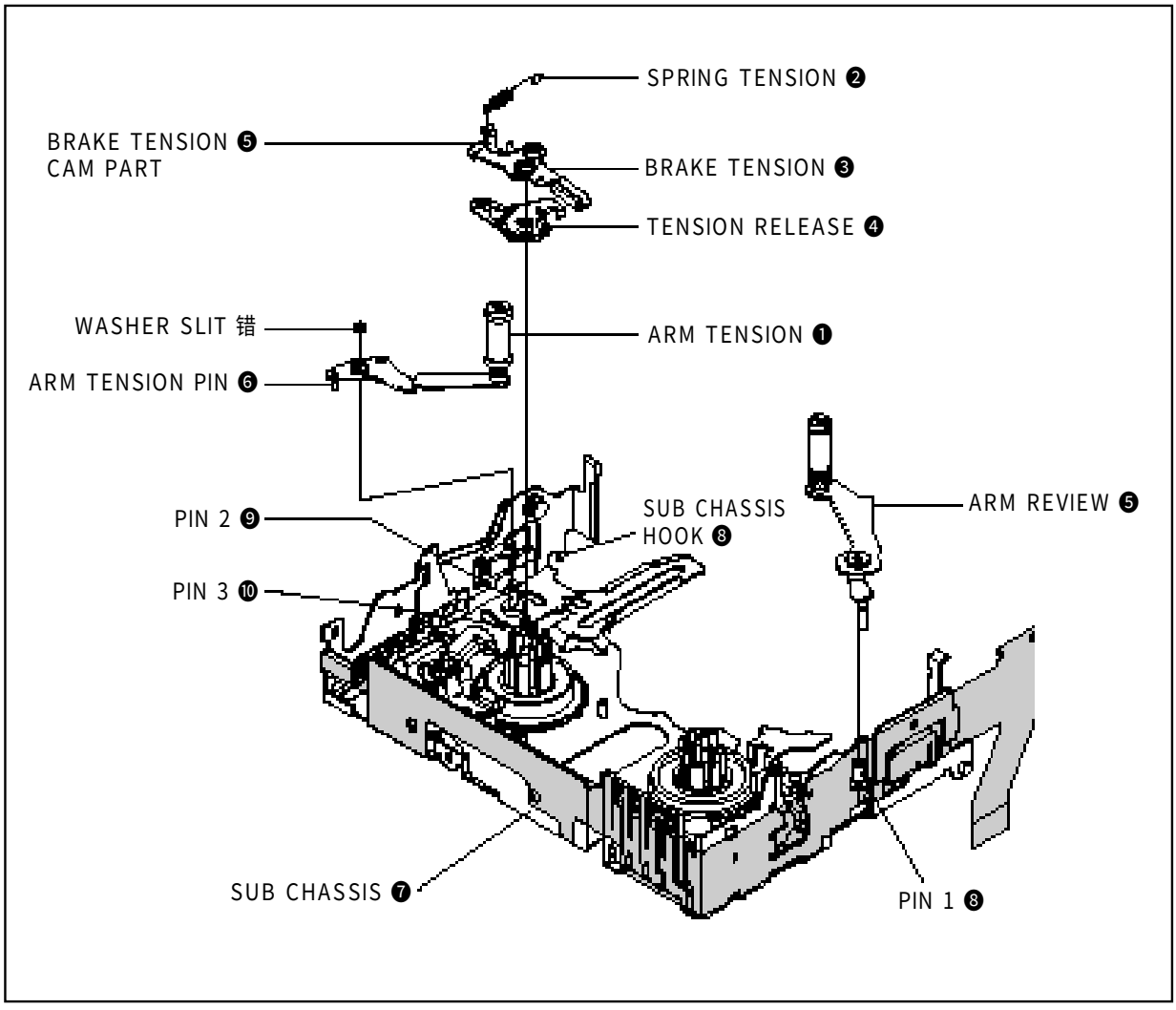

Fig 3-5 Arm Review and Arm Tension

3-6 Reel Disk S, T, Brake S, Brake Main T, Brake Pully, Lever Eject

3-6-1 Disassembly

1. Separate the spring Brake S ❺ from the spring hook 閣, and then lift it up.
2. Remove the washer-slit ❹, lift up the Brake S ❸.
3. Separate the spring Main Brake T ❼ from the spring hook 閣, lift up the Brake Main T ❻
4. Lift up the Reel S ❶, T ❷.
5. Remove the screw 1EA ❾, lift the Brake pully ❽.
6. Lift up the Lever Eject ❿.

3-6-2 Reassembly

1. Mount the Lever Eject ❿.

Note : " A " part of the Lever Eject ❿. Put to the left of sub chassis stopper 錨.

2. Mount the Brake pully ❽, secure the screw 1EA ❾.
3. Insert the washer slit ❶.
4. Mount the Brake main T ❻, hang the spring Main Brake T ❼ to the spring hook 閣.
5. After Mount the Brake S ❸ and insert the washer slit ❹, and then hang the spring Brake S ❺ to the spring hook 閣.

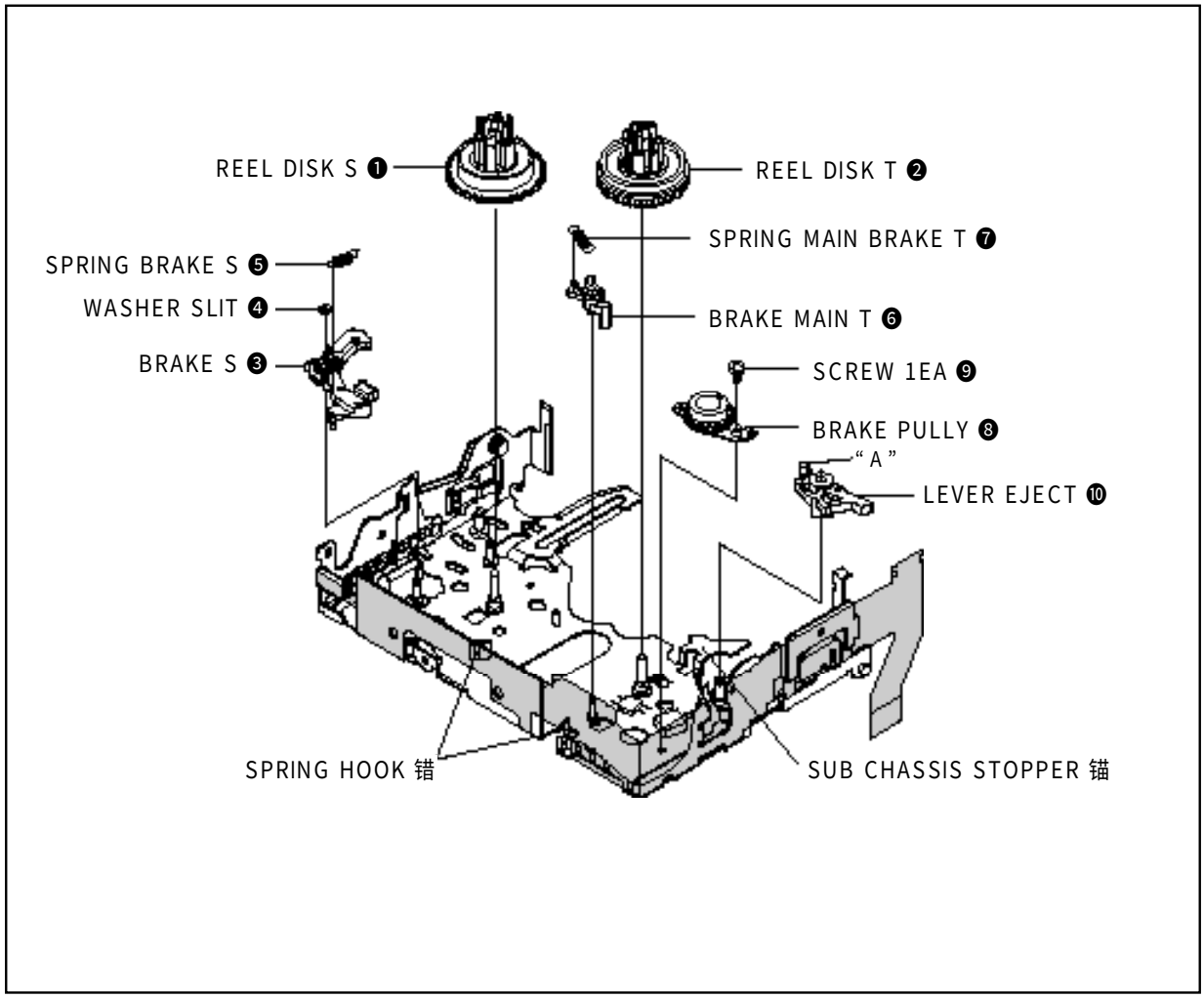

Fig 3-6 RELL DISK S, T, BRAKE S, BRAKE MAIN T, BRAKE PULLY, LEVER EJECT

3-7 DRUM

3-7-1 Disassembly

Note1: Do not touch the Head tip❷ when removing or reassembling the Drum ❶
Note2: Do not touch the Roller S ❼, T ❽ when removing or reassembling the Drum ❶

1. Remove 1 screw ❹ and then remove the spring plate Drum ❸.
2. Remove the Drum ❶.

3-7-2 Reassembly

1. Mount and insert the Drum ❶ to the Bosses ❺.
2. Insert the spring plate Drum ❸, and secure the screw ❹.

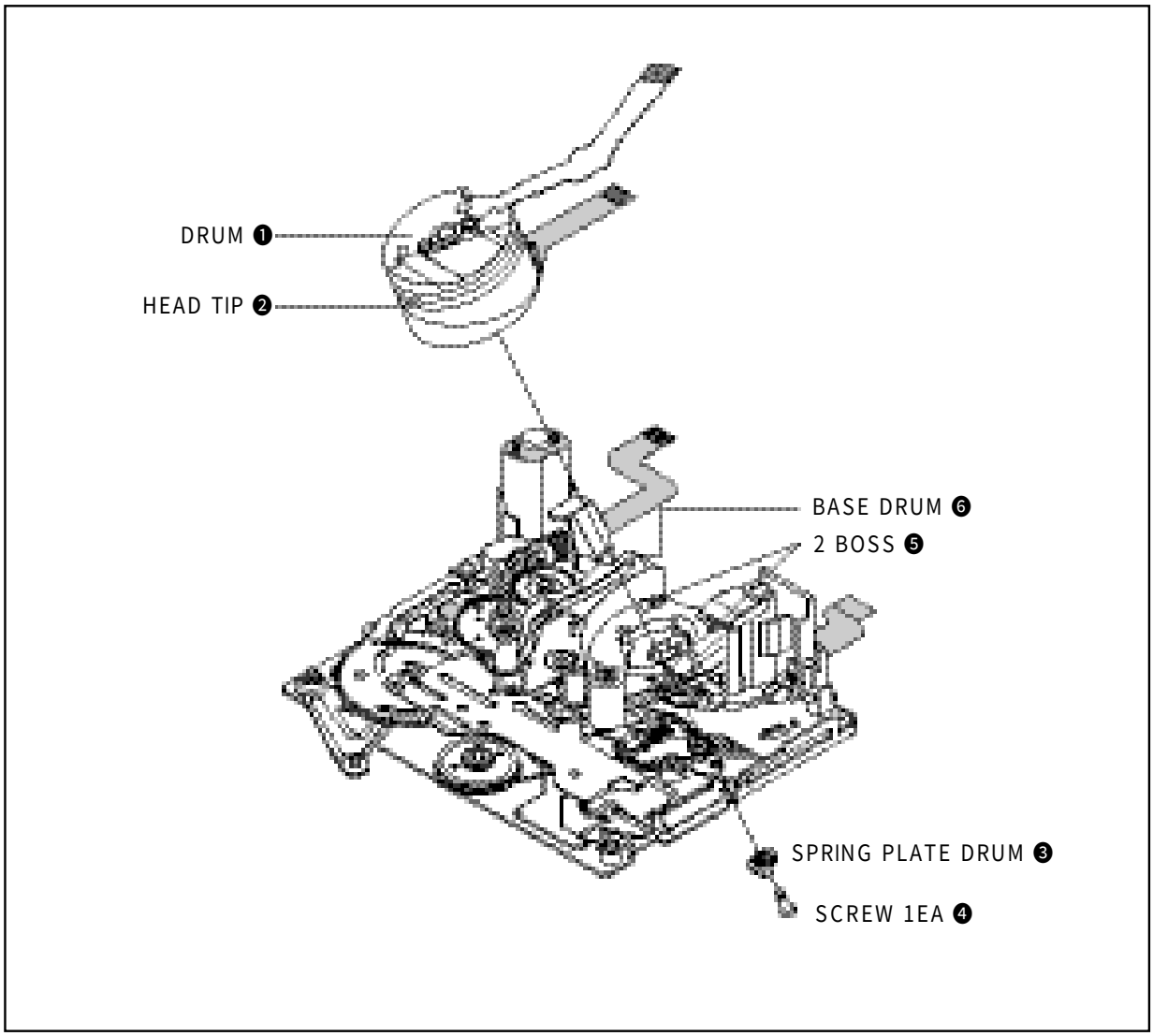

Fig 3-7 DRUM

3-8 Guide Rail Ass y

3-8-1 Disassembly

Note1: When removing or reassembly, do not touch Guide Roller S ❹ and Roller T ❺.(Protection Stein)
Note2: When removing or reassembly,the Guide Roller S ❹ and T ❺, be careful not to deform the Guide Rail❷(pushing the cautious)

1. Remove the screw 3 ❶ in the up and the screw 1 ❼ in the back, lift up the Guide rail ass y ❷.
2. Separate it and turn to count clock wise the Guider Roller S ❹ and T ❺, and then separate the spring Guide Roller 2 ❻.

3-8-2 Reassembly

1. Insert the Spring Guide Roller 2 ❻ to the pole Base S ❽ and T ❾, and then assemble the Guide Roller S ❹ and T ❺ as turn to count clock wise.
2. After Pole Base S ❽ and T ❾ unloading mode, and then assemble Guide Rail Assy ❷ to the Main chassis ❿ and secure the screw 3 ❶ in the up and the screw 1 in the back ❼.

Note 1 : When removing and reassembling Guide Rail Ass y, Be careful not to assemble point.
Note 2 : Disassemble and reassemble in unload mode.
Note 3 : After assembling, make sure that loading and unloading work correctly by applying 5V to the Motor Loading.

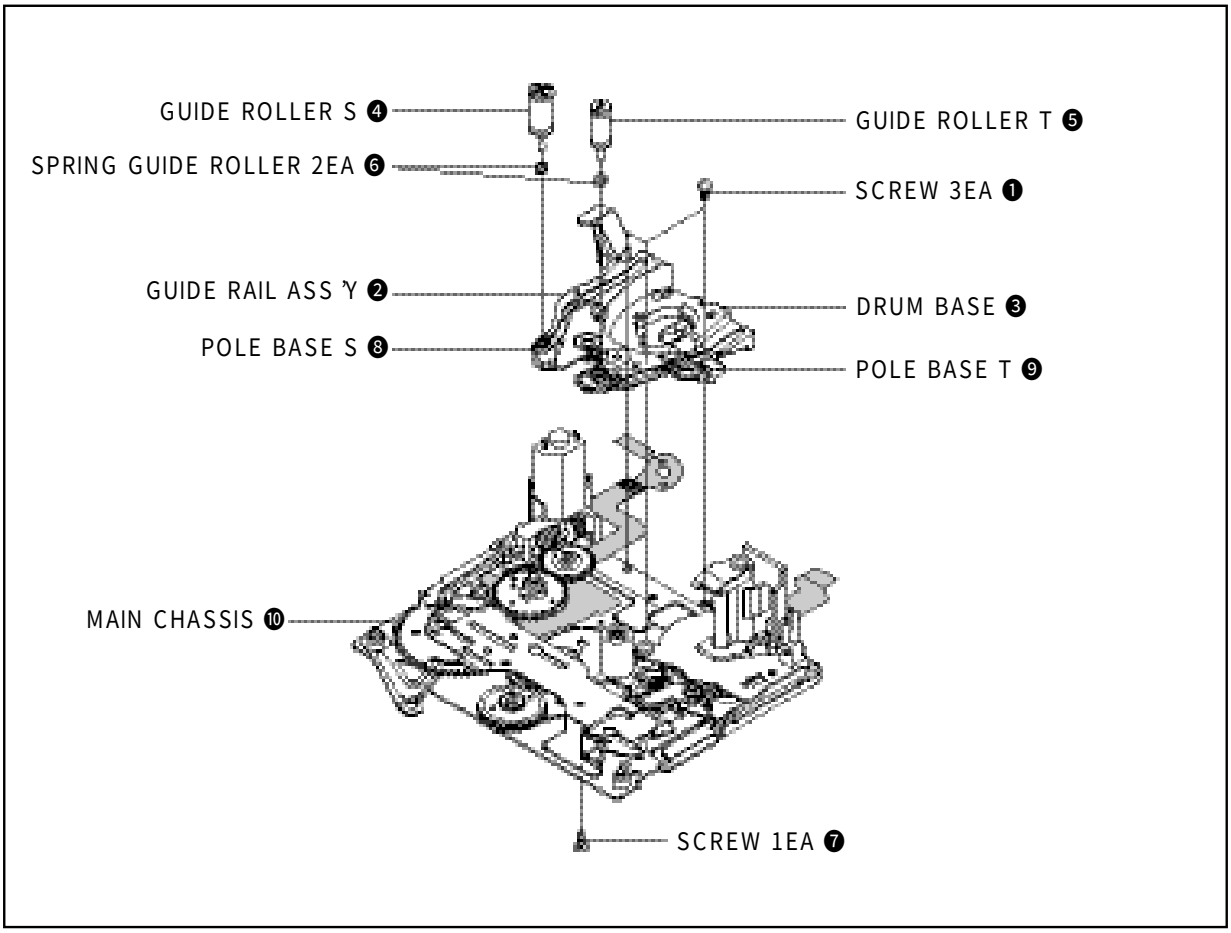

Fig 3-8 Guide Rail

3-9 Motor Loading, Guide Tension Cam, Gear Wheel

3-9-1 Disassembly

1. Eliminate pt welding 4 part ❹.
2. Remove the screw 1 ❷ and the Hooke 2 ❼, and then Lift up the Loading ass ẏ ❶.
3. Remove the screw 1, Lift up the Guide Tension cam ❹
4. Remove the washer slit ❺, Lift up the Gear wheel ❻

3-9-2 Reassembly

Reassemble in reverse order

Note : Be careful not to touch the hand in the dew

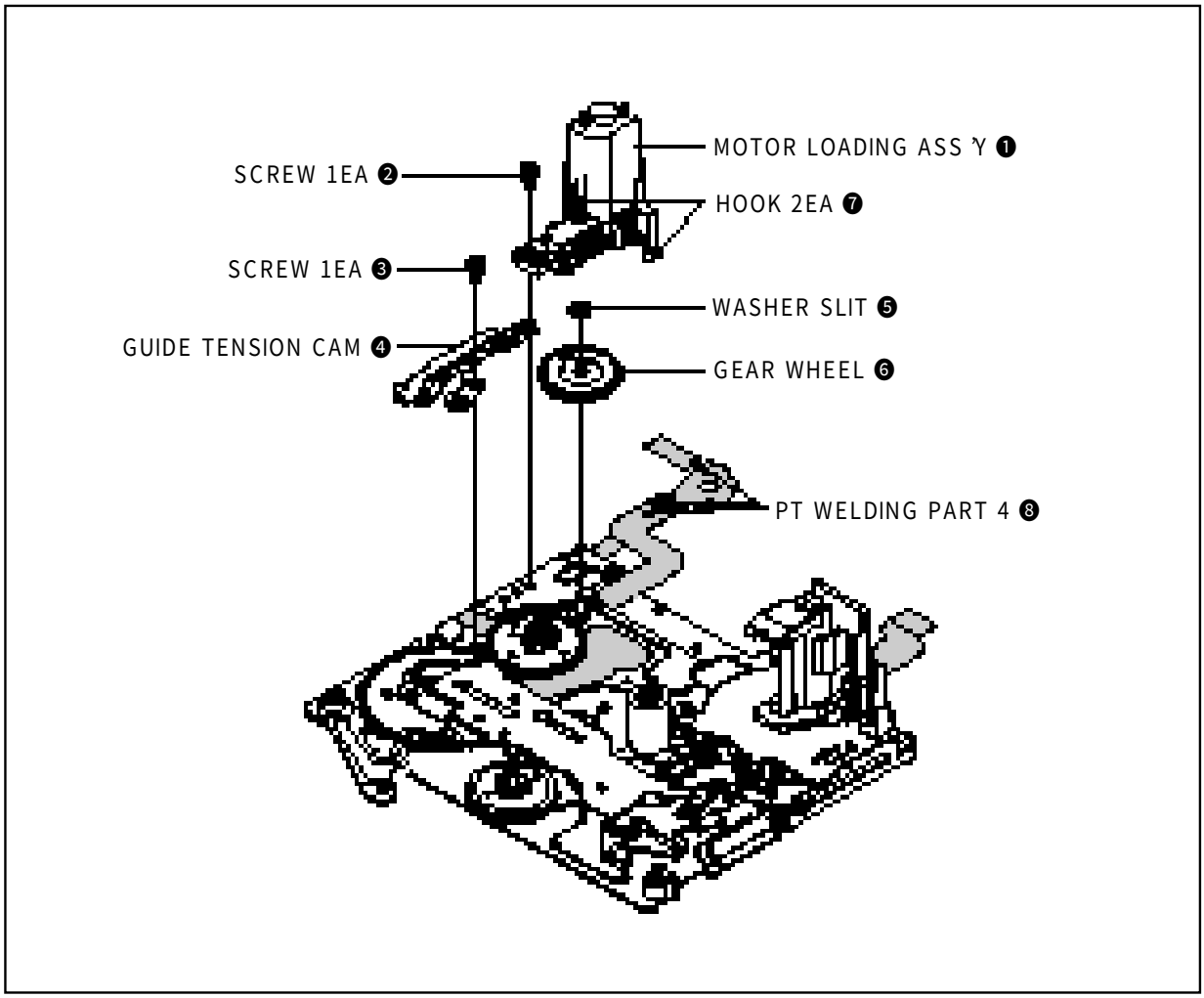

Fig 3-9 Motor Loading, Guide Tension Cam, Gear Wheel

3-10 Motor Capstan, Holder FPC Sub, Arm Pinch Roller, Slide Main

3-10-1 Disassembly

Note 1 : When removing and reassembling, be careful not to giss the Gear Part.
Note 2 : When removing and reassembling, be careful not to touch the hand in the pinch Roller.(Protection contamination)

1. Remove the screw 1 ❶, lift up the Holder FPC Sub ❷.
2. Remove the screw 2 ❸, lift up the motor Capstan ❹
3. Remove the washer slit ❺, separate the " A " part of spring Lever pinch ❻ to the spring hook of Arm pinch Roller ❼.
4. Lift up the Arm pinch Roller ❼.
5. Lift up the spring Lever pinch ❻.
6. Turn Gear cam main ❽ in the reverse direction of Arrow B to the End, and then lift the slide main ❾ in the direction of arrow D.

3-10-2 Reassembly

Reassembly in reverse order.

Note: When removing and reassembling, must be correspond to assemble point Gear cam main.

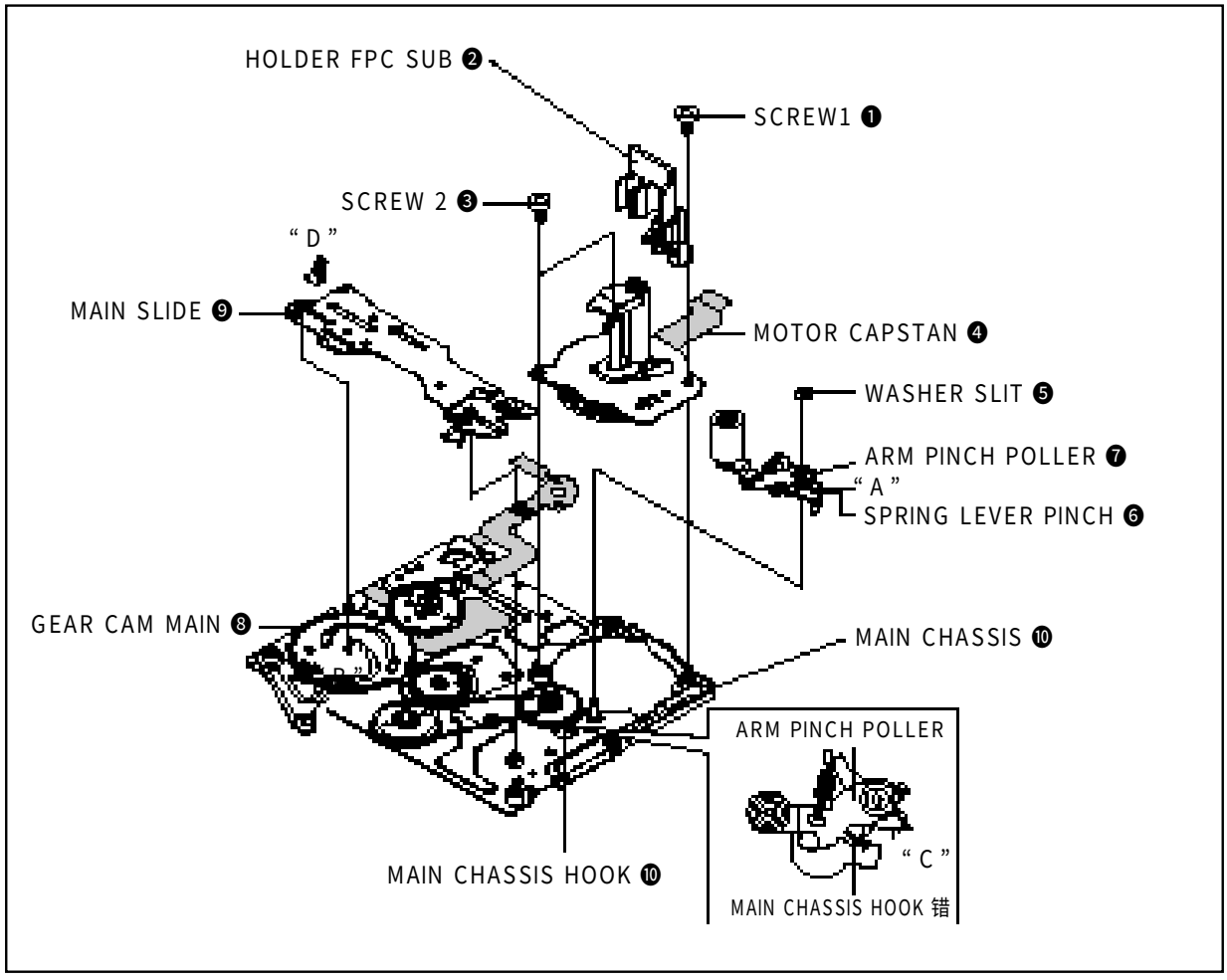

Fig 3-10 MOTOR CAPSTAN, HOLDER FPC SUB, ARM PINCH ROLLER, SLIDE MAIN.

3-11 Gear Cam Main, Lever Cam, Gear Connector

3-11-1 Disassembly

1. After lift the Gear Cam Main ❶, and then lift up the Lever Cam ❷.
2. Lift the Gear Connector ❸.

3-11-2 Reassembly

1. Align the hole of the Gear Connector ❸ and the Main chassis hole with Timing(B)(HOLE)
2. Align the hole of the Lever Cam ❷ and the Main Chassis hole with Timming(A)(HOLE)
3. Align the hole of the Gear Cam Main ❶ and the Main Chassis hole with Timing(C)(HOLE)

Note : When reassemble the Gear Cam Main, assemble the Gear Mode switch to align with Detail“ D ”.

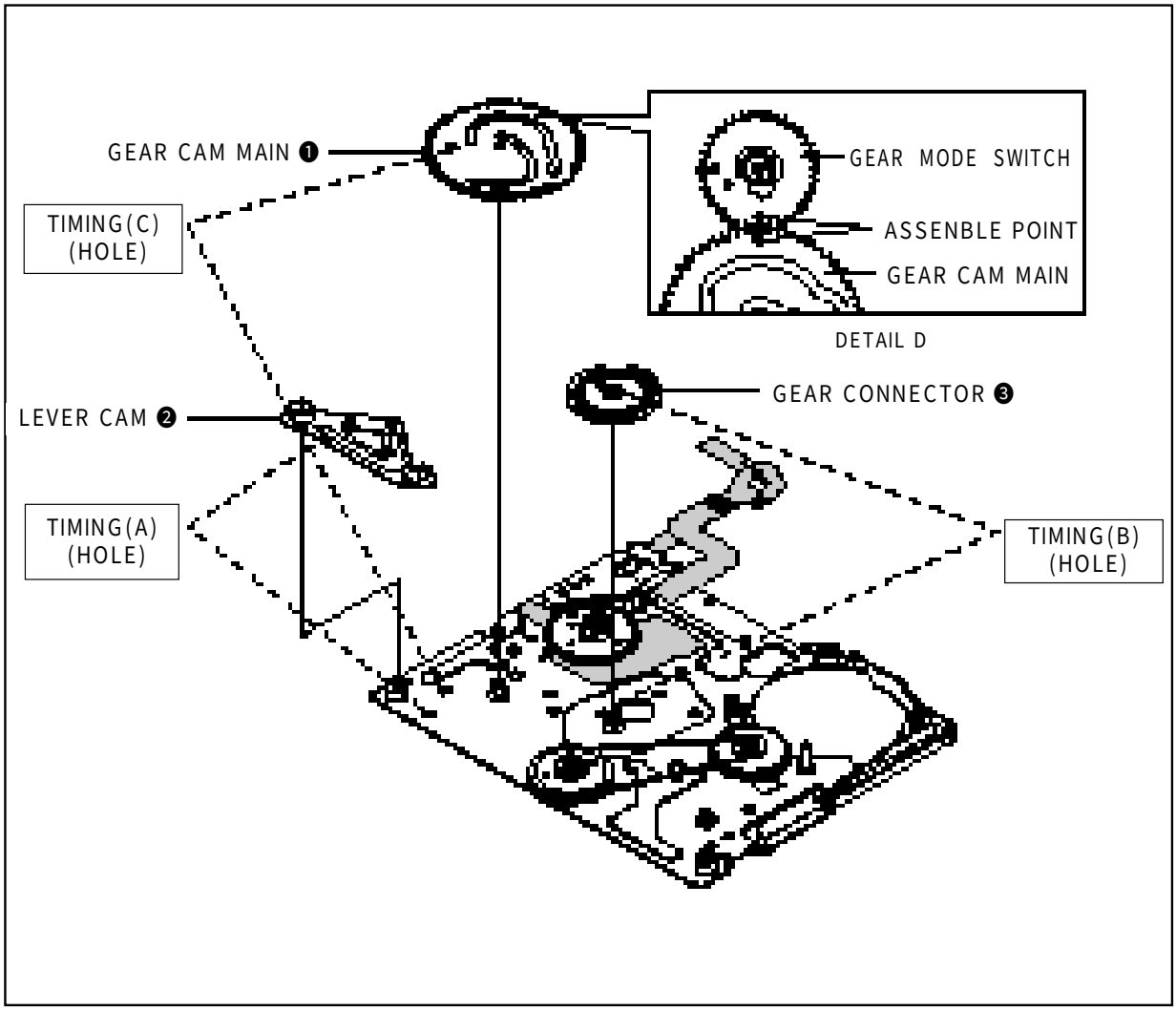

Fig 3-11 Gear Cam Main, Lever Cam, Gear Connetor

3-12 Gear Pully, Belt Timing, Gear Capstan

3-12-1 Disassembly

1. Rmove the washer slit ❶, Lift the Gear Capstan ❷
2. Separate the Belt Timing ❸ , Lift the Gear pully ❹

3-12-2 Reassembly

1. Mount the Gear Pully ❹ and hang the Belt Timing ❸ on the Gear Pully ❹
2. Hang the Belt timing ❸ to the upper Gear of the Gear Capstan ❷ and mount the Gear Capstan❷.
3. Assemble the washer slit ❶.

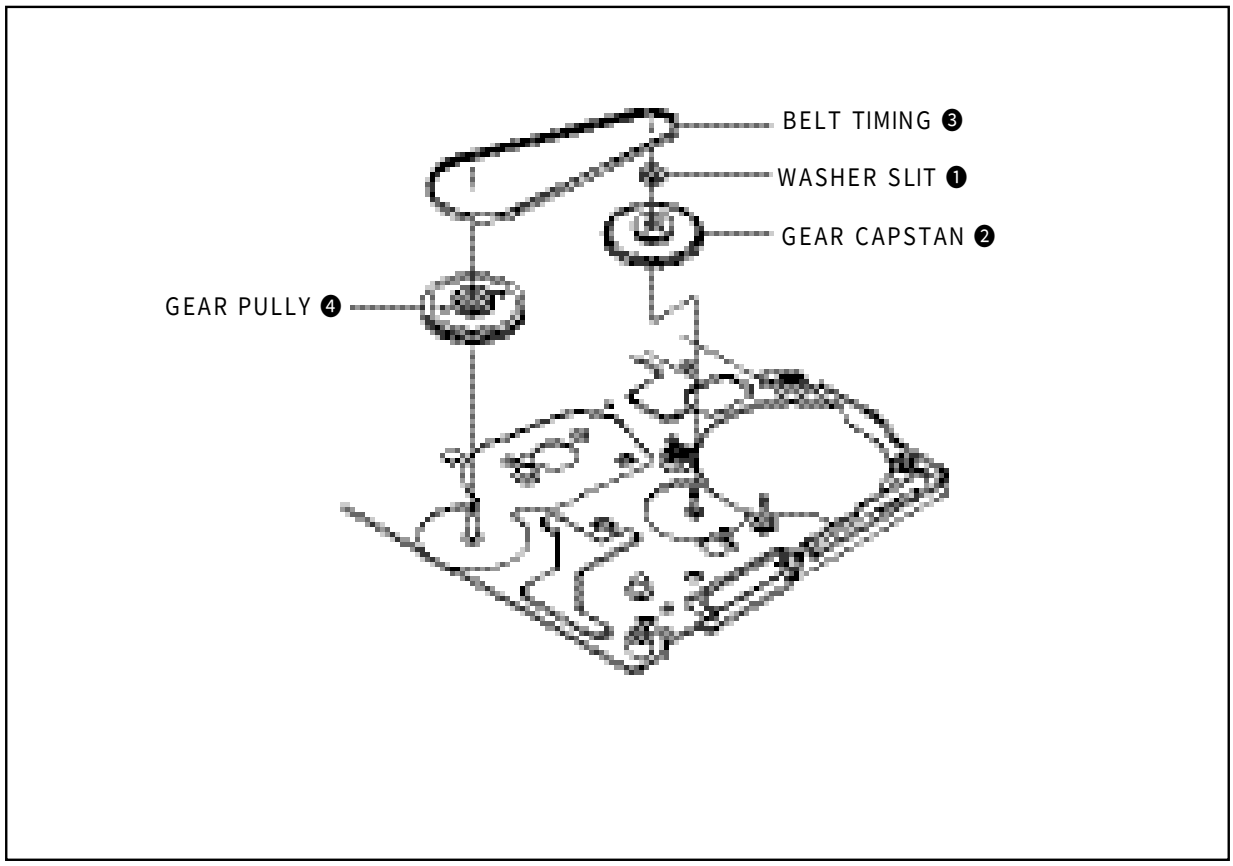

Fig 3-12 Gear pully, Belt timing, Gear Capstan